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NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005

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=> \$,annatto or (bixa orellana)

L1 871 ANNATTO OR (BIXA ORELLANA)

=> \$ (co-q 10) or (coenzyme q-10) or (co-enzyme q10) or (coq10) or (coq 10)

L2 2804 (CO-Q 10) OR (COENZYME Q-10) OR (CO-ENZYME Q10) OR (COQ10) OR (COQ 10)

=> \$ 11 and 12

L3 2 L1 AND L2

=> d 1-2 ab,bib

L3 ANSWER 1 OF 2 CA COPYRIGHT 2005 ACS on STN

AB Compns. and methods of use of **annatto** exts. including tocotrienols and tocopherols with an appropriate spectrum. This spectrum includes but not limited to low alpha tocopherol, high delta- and gamma-tocols, and mixts. with other exts. and/or nutrients. These compns. may be used in metabolic, inflammatory, cardiovascular, fatty liver and other diseases.

AN 142:170141 CA

TI **Annatto** extract compositions including tocotrienols and tocopherols and methods of use

IN Tan, Barrie; Llobrera, Jose

PA USA

SO PCT Int. Appl., 60 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005009135	A1	20050203	WO 2004-US11366	20040412
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2005037102	A1	20050217	US 2004-823043	20040412
PRAI	US 2003-461932P	P	20030410		
	US 2003-488310P	P	20030718		

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 2 CA COPYRIGHT 2005 ACS on STN

AB The invention discloses compns. and uses of the oil or oleoresin extract of **annatto** seed containing non-saponifiables, especially non-saponifiable terpenoids, in particular cis and trans geranyl geraniols (GG) and delta and gamma tocotrienols. Compds. of the invention increase endogenous synthesis of intermediate isoprenoid and distal protein products reversing drug- and nondrug-induced myotoxicities affecting muscle, kidney, eye, gastrointestinal tract, skin, nerve, blood, and coenzyme Q10- (CoQ10) related syndromes of energetics and LDL protection. The invention discloses a method of increasing endogenous CoQ10, dolichols, and all subsequent GG-prenylated and DL-glycosylated proteins through the administration of AEC. **Annatto** extract composition (AEC) decreases de novo synthesis and disposal of triglycerides via PPAR activation and SREBP down-regulation thereby reversing insulin resistance, metabolic syndrome, prediabetes, diabetes, and diabetes-related cardiovascular diseases. AEC, containing GG, inhibits cancer growth

AN regardless of GG involvement in protein prenylation.
141:343505 CA
TI Annatto extract compositions, including geranyl geraniols and
methods for treatment of metabolic and myotoxic disorders and cancer
IN Tan, Barrie
PA USA
SO U.S. Pat. Appl. Publ., 23 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004202740	A1	20041014	US 2004-821679	20040408
	WO 2004096137	A2	20041111	WO 2004-US12542	20040408
	WO 2004096137	A3	20050609		
		W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW		
		RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG		
PRAI	US 2003-461612P	P	20030408		
	US 2003-528353P	P	20031210		

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<u>L16</u> 18 same 114	33	<u>L16</u>
<u>L15</u> 112 same 114	59	<u>L15</u>
<u>L14</u> cosmetic	173972	<u>L14</u>
<u>L13</u> L12 and 18	6	<u>L13</u>
<u>L12</u> l11 or l3	899	<u>L12</u>
<u>L11</u> bixa orellana	92	<u>L11</u>
<u>L10</u> l3 and l8	6	<u>L10</u>
<u>L9</u> l3 same 18	4	<u>L9</u>
<u>L8</u> coq10 or co-enzyme q10 or co q-10 or coenzyme q-10	552	<u>L8</u>
<u>L7</u> l4 and l3	6	<u>L7</u>
<u>L6</u> l5 same l3	7	<u>L6</u>
<u>L5</u> tocotrienols	1775	<u>L5</u>
<u>L4</u> geranyl geraniols	88	<u>L4</u>
<u>L3</u> annatto	860	<u>L3</u>
<u>L2</u> mango same cancer	20	<u>L2</u>
<u>L1</u> mango and cancer	320	<u>L1</u>